



24299-524 CON.ST25  
SEQUENCE LISTING

<110> Nicklin, Martin  
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Kornman, Kenneth  
Kolpin, Maryam R  
Hsieh, Chung-Ming  
Govindaraju, Raju  
Aziz, Nazneen

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and Haplotypes

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Tyr Asn Phe Met Arg Ile Ile Lys Tyr Glu Phe Ile Leu Asn Asp Ala  
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Leu Asn Gln Ser Ile Ile Arg Ala Asn Asp Gln Tyr Leu Thr Ala Ala  
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Leu Phe Phe Trp Glu Thr His Gly Thr Lys Asn Tyr Phe Thr Ser Val  
20 25 30

Ala His Pro Asn Leu Phe Ile Ala Thr Lys Gln Asp Tyr Trp Val Cys  
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Ser Val Val Val Ala Met Asp Lys Leu Arg Lys Met Leu Val Pro Cys  
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Pro Val Arg Ser Leu Asn Cys Thr Leu Arg Asp Ser Gln Gln Lys Ser  
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Leu Val Met Ser Gly Pro Tyr Glu Leu Lys Ala Leu His Leu Gln Gly  
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Gln Asp Met Glu Gln Gln Val  
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Val Phe Ser Met Ser Phe Val Gln Gly Glu Glu Ser Asn Asp Lys Ile  
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Leu Lys Asp Asp Lys Pro Thr Leu Gln Leu Glu  
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 20 25 30

Gln Phe Pro Asn Trp Tyr Ile Ser Thr Ser Gln Ala Glu Asn Met Pro  
 35 40 45

Val Phe Leu Gly Gly Thr Lys Gly Gly Gln Asp Ile Thr Asp Phe Thr  
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Phe Lys Lys Arg Leu Arg Gly  
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Pro Lys Val Lys Asn Leu Asn Pro Lys Lys Phe Ser Ile His Asp Gln  
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Asp His Lys Val Leu Val Leu Asp Ser Gly Asn Leu Ile Ala Val Pro  
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Asp Lys Asn Tyr Ile Arg Pro Glu  
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Gly Ser Pro Ile Leu Leu Gly Val Ser Lys Gly Glu Phe Cys Leu Tyr  
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Cys Asp Lys Asp Lys Gly Gln Ser His Leu Gln Leu Lys  
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Lys Glu Lys Leu Met Lys Leu Ala Ala Gln Lys Glu Ser Ala Arg Arg  
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Pro Phe Ile Phe Tyr Arg Ala Gln Val Gly Ser Trp Asn Met Leu Glu  
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Ser Ala Ala His Pro Gly Trp Phe Ile Cys Thr Ser Cys Asn Cys Asn  
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Glu Pro Val Gly Val Thr Asp Lys Phe Glu Asn Arg Lys His Ile Glu  
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Phe Ser Phe Gln Pro Val Cys Lys Ala Glu Met Ser Glu Val Ser Asp  
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Arg Gly Asp Pro Ile Tyr Leu Gly Ile Gln Asn Pro Glu Met Cys Leu  
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Val Ala Phe Pro Asp Trp Phe Ile Ala Ser Ser Lys Arg Asp Gln Pro  
                   35                  40                  45

Ile Ile Leu Thr Ser Glu Leu Gly Lys Ser Tyr Asn Thr Ala Phe Glu  
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Leu Asn Ile Asn Asp  
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Asp Arg Met Ser Pro Val  
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Met Cys Ala Lys Val Gly Asp Gln Pro Thr Leu Gln Leu Lys  
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Phe Leu Phe Tyr His Ser Gln Ser Gly Arg Asn Ser Thr Phe Glu Ser  
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Glu Ala Ala Pro Lys Ser Tyr Ala Ile Arg Asp Ser Arg Gln Met Val  
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Trp Val Leu Ser Gly Asn Ser Leu Ile Ala Ala Pro Leu Ser Arg Ser  
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Ile Lys Pro Val  
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Lys Gly Asn Met Val Tyr Leu Gly Ile Lys Gly Lys Asp Leu Cys Leu  
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Phe Cys Ala Glu Ile Gln Gly Lys Pro Thr Leu Gln Leu Lys  
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Phe Leu Phe Phe His Asn Lys Glu Gly Ser Thr Ser Val Phe Gln Ser  
20 25 30

Val Ser Tyr Pro Gly Trp Phe Ile Ala Thr Ser Thr Thr Ser Gly Gln  
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Pro Ile Phe Leu Thr Lys Glu Arg Gly Ile Thr Asn Asn Thr Asn Phe  
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Tyr Leu Asp Ser Val Glu  
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Leu Gln Gly Ser Gln Asp Asn Ile Gly Lys Asp Thr Cys Trp Lys Leu  
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Val Gly Ile His Thr Cys Ile Asn Leu Asp Val Arg Glu Ser Cys Phe  
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Met Gly Thr Leu Asp Gln Trp Gly Ile Gly Val Gly  
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Arg Lys Lys Trp Lys Ser Ser Phe Gln His His His Leu Arg Lys Lys  
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Leu Ala Gly Gly Leu His Ala Gly Lys Val Ile Lys Gly  
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Val Gly Gln Glu Pro Thr Leu Thr Leu Glu  
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Pro Val Asn Ile Met Glu Leu Tyr Leu Gly Ala Lys Glu Ser Lys Ser  
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20 25 30

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35 40 45

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Lys Ile Cys Ile Leu Pro Asn Arg Gly Leu Ala Arg Thr Lys Val Pro  
 Page 44

35

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35 40 45

Pro Val Ser Leu Thr Asn Met Pro Asp Glu Gly Val Met Val Thr Lys  
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Phe Tyr Phe Gln Glu Asp Glu  
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